

B0213WO seq list.ST25.txt
SEQUENCE LISTING

<110> EXONHIT THERAPEUTICALS

<120> PROSTATE SPECIFIC GENES AND THE USE THEREOF AS TARGETS FOR PROSTATE
CANCER THERAPY AND DIAGNOSIS

<130> B0213WO

<160> 185

<170> PatentIn version 3.1

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<213> Homo sapiens

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B0213WO seq list.ST25.txt

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<211> 248

<212> DNA

<213> Homo sapiens

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<211> 183

<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<211> 124

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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ataaggggtga gcaaagctgc caggcccaca ggagagagag cccacaggag ccctggatcc	180
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<211> 195

<212> DNA

<213> Homo sapiens

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gccgaggaag aacagctctc ctctttttgc caaagcctgc caagggtgtca aggcttgaga	180
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<211> 346

<212> DNA

<213> Homo sapiens

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gtattaggtg gtgttgata tatatgttta tatatgtgtg tgtttatgta taagtatata	180
tgtgataaga gtttataatc ctatatagag acagatgtat taaaatggat tttttttttt	240
tgagacagag tcttactctg tcatcaaagc tggagtgcag tgggtgcaatc taggctcaca	300
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B0213WO seq list.ST25.txt

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<211> 168

<212> DNA

<213> Homo sapiens

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gaagtcactc ttgtcagacc cagaggaaac agggtcagga ggcctggg	168

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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B0213WO seq list.ST25.txt

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<212> DNA

<213> Homo sapiens

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aggagaccga ggtggctatg gaggcaaaat gggaggaaga aacgactaca gaaatgatca      180
gcgcaaccga ccatactgat gactgttttg aatgttcctt tgtctctgac atgatccata      240
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<210> 25

<211> 171

<212> DNA

<213> Homo sapiens

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catcacctgc atccttcaag ggttccaggt agatctccag cctcttgtag gagagaacca      120
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<210> 26

<211> 223

<212> DNA

<213> Homo sapiens

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gcccagcaa ggacgacgac actgtgtggc tcacctactg ggtggtgtac gccctgtttg      180
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<212> DNA

<213> Homo sapiens

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<211> 334

<212> DNA

<213> Homo sapiens

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<211> 226

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 179

<212> DNA

<213> Homo sapiens

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ttcctgtgcc tgatgtgtag caaagaaagg ttgcatgctc ccttgctccc tgttctcttc      120
cagaccgtct atgaccagta tttcatcacc ctgtataaca tcgtgtacac ctaacgccc      179

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<210> 33

<211> 484

<212> DNA

<213> Homo sapiens

<400> 33

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B0213WO seq list.ST25.txt

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<210> 34

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<212> DNA

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cagggcacac agacctcgcc gca 443

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<210> 35

<211> 272

<212> DNA

<213> Homo sapiens

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ggttcattct tgccgacctg aattcggtag cgagagatga agttagggtt tcctgttggt 180
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<210> 36

<211> 224

B0213WO seq list.ST25.txt

<212> DNA

<213> Homo sapiens

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gatcagctgt gaaaaactct ttggatgatt ctgccaaaaa ggtacttctg gaaaaataca	180
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<211> 342

<212> DNA

<213> Homo sapiens

<400> 37

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<211> 315

<212> DNA

<213> Homo sapiens

<400> 38

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B0213WO seq list.ST25.txt

<212> DNA

<213> Homo sapiens

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<211> 408

<212> DNA

<213> Homo sapiens

<400> 40

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gagaaaaaaaa attagatgaa ggtaaccat taaaaagctg cagttgggaa aacacacact	180
cgattgttac atcagaaagt gccgtgggga gaagagccgt gtgctggtaa acatgtccgc	240
gctcagaact tgacatgcag aaaagagaga gcgccaagtc ccacctgaga ttagagagga	300
ctggttttta gtgtaacaca ctttgtttta aaatatcact gtcctcttct tgccccaatt	360
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<210> 41

<211> 314

<212> DNA

<213> Homo sapiens

<400> 41

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ttggtctgaa tgactgggat gatgatgaga tcctagcttc ggtgctggca gtgtcccaac	180
aggaatacct agacagtatg aagaaaaaca aagtgcacag agaccgccc ccagacaaga	240
gttgatggag acccaggat tggacaccat ctcccaaccc cagtactcct gctctccggt	300
gccacctcac cgcc	314

<210> 42

<211> 352

B0213WO seq list.ST25.txt

<212> DNA

<213> Homo sapiens

<400> 42

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ggcccggatg	tcagctccat	gctcaatgag	cagccgcacg	atctcctcac	tgttcacaca	180
ggcagcaaag	gacaaaggg	gctcccaaaa	gtagatgagg	ttgcagggac	tacggcggaa	240
ggcagtgctt	gtggctcttg	cagagacact	ggccctgcgg	gcaagcaggg	ctcgcaccag	300
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<210> 43

<211> 292

<212> DNA

<213> Homo sapiens

<400> 43

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tcggtagtac	ttgtaccctt	ggctattggg	ctcatacaga	aagctgaatg	cctggttctc	180
acggttgttc	tggagggcaa	tggtttccac	ctcgggaccc	ccgtccgcta	tgaacctggc	240
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<210> 44

<211> 372

<212> DNA

<213> Homo sapiens

<400> 44

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caacagaaca	acaacaaaaa	gaatccttta	tcttcatgca	acactacagt	agtacagagc	360
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B0213WO seq list.ST25.txt

<210> 45

<211> 158

<212> DNA

<213> Homo sapiens

<400> 45

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<210> 46

<211> 157

<212> DNA

<213> Homo sapiens

<400> 46

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<210> 47

<211> 310

<212> DNA

<213> Homo sapiens

<400> 47

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agtatgtaca gccggcctgg ggcacttgat cttctaaggc cctgggcttt gtgccccagg      180
ccctgggctc cctttacagg ctctgcttcc gggcctctgt tcaatcttgg tgccccctga      240
ttctacctag aagcctctcc tgccttcagg ggccttcaca cccatgctgt tccccaggt      300
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<210> 48

<211> 124

<212> DNA

<213> Homo sapiens

B0213WO seq list.ST25.txt

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 aagg 124

<210> 49
 <211> 191
 <212> DNA
 <213> Homo sapiens

<400> 49
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 ctgctaataa aaacagagaa aaggtgaatg accaggcaaa actaattgtg ggaatcgttg 180
 ttggtctcct c 191

<210> 50
 <211> 305
 <212> DNA
 <213> Homo sapiens

<400> 50
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 tctttgagtt ggtgttcctt ccccggcgcc cccatgtagc tgggaagtgg gacctggggg 180
 tggttggacc cctgggatcc taaaggaggg gcaggagggg cgcagaactc cgcttctgct 240
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 gctcg 305

<210> 51
 <211> 108
 <212> DNA
 <213> Homo sapiens

<400> 51
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B0213WO seq list.ST25.txt

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<210> 52

<211> 439

<212> DNA

<213> Homo sapiens

<400> 52

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 cccaccagca ctgctctgca ttctctgaag ccctggagat aagctgggga ccatggcccc 180
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 gccagtttcc cctccggcc 439

<210> 53

<211> 234

<212> DNA

<213> Homo sapiens

<400> 53

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 gaaagcctca ctctccagcc tcaggaccaa cttacacacc tgctagaaag cctcactctc 180
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<210> 54

<211> 92

<212> DNA

<213> Homo sapiens

<400> 54

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<210> 55

B0213WO seq list.ST25.txt

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<212> DNA

<213> Homo sapiens

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<210> 56

<211> 202

<212> DNA

<213> Homo sapiens

<400> 56

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<210> 57

<211> 314

<212> DNA

<213> Homo sapiens

<400> 57

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<210> 58

<211> 92

<212> DNA

<213> Homo sapiens

B0213WO seq list.ST25.txt

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<210> 59

<211> 179

<212> DNA

<213> Homo sapiens

<400> 59
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<210> 60

<211> 89

<212> DNA

<213> Homo sapiens

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<210> 61

<211> 169

<212> DNA

<213> Homo sapiens

<400> 61
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 ggtaaggccc aggccgaaga tgtaggctgc aaagctggtg tagaagtagg tgtgggtatt 120
 cttcttcaag ctgatgtcaa agcgcagcag caaggcaatg aagatccat 169

<210> 62

<211> 171

<212> DNA

<213> Homo sapiens

B0213WO seq list.ST25.txt

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<210> 63
 <211> 140
 <212> DNA
 <213> Homo sapiens

<400> 63
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<210> 64
 <211> 195
 <212> DNA
 <213> Homo sapiens

<400> 64
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<210> 65
 <211> 397
 <212> DNA
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 aacatatgaa agttatttgt aggggaagag tcctgagggg caacacacaa gaaccaggctc 180
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<210> 66

<211> 2799

<212> DNA

<213> Homo sapiens

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B0213WO seq list.ST25.txt

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<210> 67

<211> 1982

<212> DNA

<213> Homo sapiens

<400> 67

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B0213WO seq list.ST25.txt

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B0213WO seq list.ST25.txt

<211> 2306

<212> DNA

<213> Homo sapiens

<400> 68

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<211> 3024

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gtcccaaatt gaaaagagat ggccaggcat tgataaacct gatatttaga gacagatagt	420
ggctctgggc agaaagatca tctgatgggtg ttctcagcac cgngaaacaa catttc	476

<210> 105

<211> 265

<212> DNA

<213> Homo sapiens

<400> 105

gaccaggaaa tcgaagggaa gcgtccgcgc acagaacgtg gcccgatcct tgccgtgatc	60
gataccccag ggtcgatgca cggactacca gagcagggtg ctaaagctat cgtgctggaa	120
gcgcttcgaa cagcgcatga agaaaagcgc cgatgtttcc ttacgccta cagtggacca	180
gggcaagtcc ttgagcacga gcttgatctt tcaccggacg gcatggggcg gcttctagaa	240
tttctcggct tctcttttgg tggcg	265

<210> 106

<211> 726

<212> DNA

<213> Homo sapiens

<400> 106

cgtaattgtg gaaggagtca cgggaagtgg agacaggaaa ggctgtgagg agccaaggga	60
aagaggcgaa gagaaaggcg gacaggagag aggacgagaa tgaaagagaa atcaacaggg	120
ggaaagagaa caacaggcag agggaaaagg aagtaagttt gctgaattct atattaagaa	180
actggtaaat gtcctgtagg tcaataaaac cataaacttt gaggttatct ttgctattag	240
tcagaaaaaa atgagaaccc tttgtcagat ttctgcaagt taaccgctaa ttttacaggg	300
ttgtaaaaca cctgggtctc aatcaattgc tagtgaaaca caattaccct tcccatgagt	360
cagatgacct tcagggtggac atgatattca caggttgtga aaccatgttt tgcccttttt	420
caaatgttag gctacttttt cctgaaaatc ctctgcatga aaaattctac cgcccttagt	480
gtgtctcaca caaggataac ttcaaccaa gctgtgttca acctggcctc caggccctg	540
tccttagggc gggacccatc ctctgcttcc cgaataacca acactccttt ccattgcca	600
gaaaccatcc ctgctacctc gtgaggaatt aactttaccc aaagaaaggc ctgacctctg	660

B0213WO seq list.ST25.txt

tcccaggtcc tgggagaaaag tccctgaact cctagaaggt cccaagcgac aggagtgtct 720
gttcac 726

<210> 107

<211> 253

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (98)..(98)

<223> n = a t g o r c

<400> 107
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tgccggcagg gcattcccaa ccgtgaatcg tctccagnga gtccgccaac gtttcgagat 120
cctggcgggc aatgccatcc ccaaaggctt catggacggg aagcaggcct gcattctcat 180
gatcaaagcc ctggaacttg accccaactt atacaggata gggcagagca aaatcttctt 240
ccgaactggc gtc 253

<210> 108

<211> 448

<212> DNA

<213> Homo sapiens

<400> 108
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cgccgcaagc gcgctctctt gccgcgcgag cttgcgagtc aacgcgtcga tctcggcgcg 120
ccgcgtgagg gcaagcgccg ctatatattt gcggaaagcc cgttcgtccg cgcgtgtcca 180
tcttgaggta ccaccgccgg actgccggcg cttggtgcag gacgtgatcg tcatgcgctc 240
ggcgcgagct tcgatctgcc gttcaatgat gccgagatga cggcttgtct cgagaagtgc 300
attttccatg cgcaggagta aggccgattg aggcgtgagc gacatcagaa tgccctccat 360
ggcctgaccc ataacgcttc tcaatcacta gtgcggccgc ctgcaggtcg accatatggg 420
agagctccca acgcgttgga tgcatagc 448

<210> 109

<211> 437

B0213WO seq list.ST25.txt

<212> DNA

<213> Homo sapiens

<400> 109

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catcttaata atcccatccc tatctaatat taggcacaat tcttagctgg ccccatgac	180
tccaatcctt ggtgttacat cctgtataat attctttcct tgagtgtggg tgggacctgt	240
gacttgcttc tagttgagat tatctacatt acataaggct ccatcttgga gtaagagatt	300
tctctgctgg ccctgaagta gcagctatgt tgtgaacagc caatggagaa agccatatgg	360
cagagacctg caacagaagg tggacctgaa ggtggcctct ggtcaccagc aacagcccca	420
aggaaatgaa ttctgcc	437

<210> 110

<211> 244

<212> DNA

<213> Homo sapiens

<400> 110

ctggcaggtc gtagcaggcc ggccctgggt agggcccat actgtcgggg ccgagcgtca	60
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tccaaggtgt cttcagcggc attccaaaga agtttgtctc ctcggagggtt aacggttctc	180
cgtaaacgac gatcccgatc ttcgccgtag ttccaccgac atcaagcgag ataacctccc	240
caga	244

<210> 111

<211> 272

<212> DNA

<213> Homo sapiens

<400> 111

gtgacgagaa gagcagatta aagaagatta gataccactg gtcaatcatg gtagatgcag	60
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agaagtacag caccatgttg gcaagtcggg agtagcacca atgcccgtga agaatacaaga	180
gcctctccag gtatcggaat ttcggcactg caaagtcgct ggccatcact gccttcaaag	240
ggagagggat tcctgttact ggtgatgccg ac	272

B0213WO seq list.ST25.txt

<210> 112

<211> 413

<212> DNA

<213> Homo sapiens

<400> 112

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taggtttaac tcggagttag aattctgggt ttgtttctca cttagggaaa aaaaatagct    180
ttgtaaaggg aggttactaa ataaaacttt gagaactcta ttcaccctca caggatgact    240
tttggttgc aattcaatcc ctggcagggt actgttcatg tatagaattt ccaggcgact    300
agaaggcatt tgaaaggaat tcttaccgaa cattaacctg ctttggtaac cacagaaggc    360
atttctacct gccaaagtca ggctgggagc tttggtgcag tccgacctgc gcc          413

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<210> 113

<211> 541

<212> DNA

<213> Homo sapiens

<400> 113

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gtcaggctga cctggttctt ggtcatctcc tcccgggatg ggggcagggt gtacacctgt    60
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ttgttggaga ccttgcactt gtactccttg ccgttcagcc agtcctggtg caggacggtg    180
aggacgctga ccacacggaa cgtgctgttg gactgtcctt cccgcggctt tgtcttggca    240
ttatgcacct accacgccgt ccacgttaca gttaaacttg acctcagggt cttcgtggct    300
cacgtccacc accacgcatg tgacctcagg ggtccgggag atcatgaggg tgccttggg    360
ttttgggggg aagaggaaga actgacggtc cccccaggag ttcagggtgct gggcacggtg    420
ggcatgtgtg agttttgtca caagatttgg gctcaactct cttgtccacc atggtgttgc    480
tgggcttgtg attcactttg cagatgtaag tctcatgaat acggttttct aattcccgcg    540
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541

<210> 114

<211> 226

<212> DNA

<213> Homo sapiens

B0213WO seq list.ST25.txt

<400> 114
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 aaggggttca aacccacact cagtaggtgg aggggagcgc ctgccattgg ttgtattttt 180
 gttctgagtt ttcggtgccg tggtcctaac tactccatcc catgac 226

<210> 115

<211> 439

<212> DNA

<213> Homo sapiens

<400> 115
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 tatggctctt ttttattggt gagtttttat tattacaaaa tcaatttaa caaataaaag 180
 ccaattgccg ttgctaataa cgtcagcccc acatgtaacc caatcagtcc taaacccgca 240
 agcagtttgc cgttatggat aaaggtaaact acttcagcac taaagggtact aaaagtcgtc 300
 agtccgccca aaaaaccagt tatgacaaac aacctgacat tgggagacaa gtcgctgcac 360
 ataacgcttc tcaatcacta gtgcggccgc ctgcaggtcg accatatggg agagctccca 420
 acgcgttgga tgcatagct 439

<210> 116

<211> 175

<212> DNA

<213> Homo sapiens

<400> 116
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 tgtttataga cggcgctggc cttagtactc actctccctc tattttcctt gcttccttat 120
 aactaggttt ccctactcac ttcctcaaaa agagtgatgt aggtccacgt gtacc 175

<210> 117

<211> 521

<212> DNA

<213> Homo sapiens

<400> 117

B0213WO seq list.ST25.txt

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ggatttatat tgcacttcat agacccttag gctgctgtgc ggtgggactc cacatgcgcc    120
ggaaggagct tcaggtgagc actgctcatg tgtggatgcc cctgcaacag gcttccttgt    180
ctgtagagcc aggggtgcaa gtgccatcca cacttgcagt gaatggcttt tccttttagg    240
tttaagtcct gtctgtctgt aaggcgtaga atctgtccgt ctgtaaggcg tagaatgagg    300
gttggttaatc catcacaagc aaaaggtcag aacagttaaa cactgccttt cctcctcctc    360
ttattttatg ataaaagcaa atgtggcctt ctcagtatca ttcgattgct atttgagact    420
tttaaattaa ggtaaaggct gctgggtgtg gtacctgtgg atttttctat actgatgttt    480
tcgttttgcc aatataatga gtattacatt ggcctctcgt a                          521

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<210> 118

<211> 131

<212> DNA

<213> Homo sapiens

<400> 118

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ctgaagatgc ccctatattc tgtcaaaggt tggcgggggg aggtgttggg gtcctttcat    60
ctggctccgt ttctggtgct tctggaagtc tctgctcagc acagggaaga actaacacga    120
ctaacctagg c                                                              131

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<210> 119

<211> 212

<212> DNA

<213> Homo sapiens

<400> 119

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gtggtggaga tggttgaaaa cgacatatct gctttcacct acgagaggac actaatgatg    60
gagcagaggt cgcagatgct gaagcagatg cagctgtcca agaacgagca ggagcgagag    120
gcccagctga tccacgacag gaacaccgctg tcccacaccg cggcggcagc caggacccaa    180
gcgccgccta cgccagacaa ggtgcagatg ac                                    212

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<210> 120

<211> 137

<212> DNA

<213> Homo sapiens

<400> 120

B0213WO seq list.ST25.txt

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 aggcaatcca cccaacc 137

<210> 121

<211> 265

<212> DNA

<213> Homo sapiens

<400> 121
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 tagaatgggtc ttttattatg aaggacaacc cattgaattt gagaagtcta cagtgaagac 120
 aaaatgtgtt cttaaaatgc aatactatct cgaggcagtt taaattctaa caataggagc 180
 ctacatacca gatggctttg aaatatttac aggtcctctt tgcctgaatt tttagttatc 240
 caggaacaac cattataact tatac 265

<210> 122

<211> 285

<212> DNA

<213> Homo sapiens

<400> 122
 gtcctcgcat cagcgtcatc gtgtgcaccg gcttgggggg ctggagttcc ggttttcttt 60
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 atgcttggga ctggatggaa agactttgga gcagctgtgg ggggtggggg gacaccgaca 180
 accaaacaga cgtgctggct ccagtcctgt ttttactttc aaaaaccaac aagcccgaca 240
 gtggagcctg tcccctcccg ggagggtgct catggcccca ctcac 285

<210> 123

<211> 269

<212> DNA

<213> Homo sapiens

<400> 123
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 tattaaaaac catacgccct tctggtaata acatacctat cgttccacaa taaattgagc 120
 gaggagatga ctctaattgt tcaatatatt tcatgggtact taatttatgt ggcggggata 180

B0213WO seq list.ST25.txt

acgcttctca atcactagtg cggccgcctg caggtcgacc atatgggaga gctcccaacg 240
 cgttggatgc atagcttgag tattctata 269

<210> 124

<211> 203

<212> DNA

<213> Homo sapiens

<400> 124
 gccgacgatc tcctcggttc tgctctttca ccacaaacac cctctgtcct gacaccgtca 60
 ccagcagtggt gtgttctcca aagaccacag acaggcgctt gaagggcaca ttcattgccgc 120
 ggtgcggccg gaaaccgcag gctgtgctga ccagctcaga gatggcactg gctgcctgct 180
 catcattctc caggtccacc cga 203

<210> 125

<211> 239

<212> DNA

<213> Homo sapiens

<400> 125
 atacagaaga ggggtttgct ggggatgagg acagcagggc agtcaccatc tcgaagcacc 60
 tcagccactc ctttattgtt cttgaagcca ggaacacaga actgcttata gtactcaaag 120
 tcccgggagc tgcgagcatt caggtacgtg aggtacgggt cggggcattt ttccacgcag 180
 atctggggag cgggacattg gaattccagc agaaccaggg ggctggcaca tttcacaat 239

<210> 126

<211> 461

<212> DNA

<213> Homo sapiens

<400> 126
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 cccctagcct ctgcgaccac cccacgcca ccaaccgcaa gagtcggcga cccaagggtg 180
 ctccccatct cccaaagtta cggggacaat ttgccgaatt ccttaaccac agttcacccg 240
 caagccttag tatactcaac ccaactacca gcgtcggttt cgggtacggg caacaccacc 300
 actcgcttag aggccttttct cgacagcaca ggatcaccac catcaccaca aacgtggcta 360

B0213WO seq list.ST25.txt

cgcatcacgc ctctcttgca taacgcttct caatcactag tgcggccgcc tgcaggtcga 420
ccatatggga gagctcccaa cgcgttgga gcatagcttg a 461

<210> 127

<211> 284

<212> DNA

<213> Homo sapiens

<400> 127

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agtgccctca gctggaactg ttacgggac agaagacgta catgcttcag gaagacatcc 180
aggtcgggtac cataacgctt ctaatcacta gtgcggccgc ctgcaggtcg accatatggg 240
agagctccca acgcgttgga tgcatagctt gagtattcta tagt 284

<210> 128

<211> 252

<212> DNA

<213> Homo sapiens

<400> 128

accatgaaac ctacagcggc atctaataca acaacaccag ggatgggtctc aacaaatatg 60
acttctacca ccttaaagtc tacacccaaa acaacaagtg tttcacagaa cacatctcag 120
atatcaacat ccacaatgac cgtaaccac aatagttcag tgacatctgc tgcttcatca 180
gtaacaatca caacaactat gcattctgaa gcaaagaaag gatcaaaatt tgatactggg 240
agctttgttg gt 252

<210> 129

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (380)..(380)

<223> n = a t c o r g

B0213WO seq list.ST25.txt

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 gcagcataaa gccagttgc tttgggaagt gtttgggacc agatggattg ttgggagtag 180
 ggtacaatac agtctggtct cctccagctc cttctttctg caacatgggg aagaacaaac 240
 tccttcatcc aagtctggtt cttctcctct tggctcctcct cgctataacg cttctcaatc 300
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 gcttgagtat tctatagtn tc 382

<210> 130
 <211> 305
 <212> DNA
 <213> Homo sapiens

<400> 130
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 cggagaattt cccagaggtc ttcgccttgt gccacagctt ttccagcctg gggcatcca 180
 gcccgcttct ctgggtgcc ctgagagagt tgctggtcac ctgccgagcg tccttctttc 240
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<210> 131
 <211> 337
 <212> DNA
 <213> Homo sapiens

<400> 131
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 gacagccagc tctcatttaa gaatctcaga acttgggaagg aaggaggaaa tccacattaa 180
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 gcacctgtag tcccagtaga tgctctgaca tcacagagct tcctgctcta ccagcccacc 300
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<210> 132
 <211> 174

B0213WO seq list.ST25.txt

<212> DNA

<213> Homo sapiens

<400> 132

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aagagactaa acaagaaagt ggatcaggga agaagaaagc ttcataaaag aaacaaaaga	120
cagaaaatgt cttcgtagat gaaccctta ttcgtgcaac tacttatatt cctc	174

<210> 133

<211> 113

<212> DNA

<213> Homo sapiens

<400> 133

cataaagtac tgacatgatc agaggaatca tcagcaactg catatccatt gctaagccag	60
taatcacgat gcaaatccag ttaaagagga gcatgaataa atagtctgct ggc	113

<210> 134

<211> 191

<212> DNA

<213> Homo sapiens

<400> 134

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gtatgccttt ttactttcct attatcctga atagggcata ctccattcac ccttaagggtt	120
ctagaatgaa ccagtcttac tatgtatcta taaccttgcc tttatctcta ttctaatatg	180
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<210> 135

<211> 1481

<212> DNA

<213> Homo sapiens

<400> 135

ggcacgaggg ggacgcctct ctctcctta ttcggtttac tatttattgt tcggggtgtt	60
ttttaattcc tgtattgctc ggcccgggga gtttcgcccc ctgcccggct ccgcggcgcg	120
gaggatggtg tggaaacggc tgggcgcgct ggtgatgttc cctctacaga tgatctatct	180

B0213WO seq list.ST25.txt

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ggagcgcggc gccagaaaga ttgttctctg gggccggact gagaaatgcc tgaaggagac	360
gacggaggag atccggcaga tgggactga gtgccattac ttcattctgtg atgtgggcaa	420
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gccgcgtatg ctggagctgc agaattggcca catcgtgtgc ctcaactccg tgctggcact	660
gtctgccatc cccggtgcc a tgcactactg cacatccaaa gcgtcagcct tcgccttcat	720
ggagagcctg accctggggc tgctggactg tccgggagtc agcgccacca cagtgtgcc	780
ctccacacc agcaccgaga tgttccaggg catgagagtc aggtttccca acctctttcc	840
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gacacttttg aacatttcca gttctgtaga gtttattgtc aattgcttct caagtctaac	1320
cagcctcagc agtgtgcata gaccatttcc aggagggtct gtccccagat gctctgcctc	1380
ccgttccaaa acccactcat cctcagcttg cacaaactgg ttgaacggca ggaatgaaaa	1440
ataaagagag atggcttttg tgaaaaaaaa aaaaaaaaaa a	1481

<210> 136

<211> 344

<212> DNA

<213> Homo sapiens

<400> 136

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tctatctggt ggtgaaagca gccgtcggac tgggtgctgcc cgccaagctg cgggacctgt	180
cgcgggagaa cgtcctcatc accggcgggc ggagaggcat cgggcgtcag ctgccccgcg	240
agttcgcgga gcgcggcgcc agaattgattg ttctctgggg ccggactgag aaatgcctga	300
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B0213WO seq list.ST25.txt

<210> 137

<211> 1088

<212> DNA

<213> Homo sapiens

<400> 137

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<400> 143

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tggtccagc tgagtttggg gtctggatgg ccgcgggcag agcagatgag tgtgacttcg 240
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gagccttggg ccagcagcgt gaagttctgg gtgcggctga ggaccgggac tgtgggcagg 360
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gggc 424

<210> 156

<211> 396

<212> DNA

<213> Homo sapiens

<400> 156
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tgtacacagg cttttccatc ctggtgactc tgctcctcgc tggccaggcc accaccgcct 180
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agctggagaa cctgcgcatg aagcttccca agcctcccaa gcctgtgagc aagatgcgca 300
tggccacccc gctgctgatg caggcgctgc ccatgggagc cctgccccag gggcccatgc 360
agaatgccac caagtatggc aacatgacag aggacc 396

<210> 157

<211> 161

<212> DNA

<213> Homo sapiens

<400> 157
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caattttctg caggatgatt gtacagaatc attgcttatg acatgatcgc tttctacact 120
gtattacata aataaattaa ataaaataac cccgggtcct a 161

<210> 158

<211> 382

<212> DNA

B0213WO seq list.ST25.txt

<213> Homo sapiens

<400> 158

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ttgccatagg aactaaciaa ctccaccagc cgggacttga aaatcttctg ccatctttta    180
ggagaaatga agggaatgca gagaagcaac acaacaaaga cctccgcata gaggaagggtg    240
gcaactgcag tccactgcag actcatcctg ttgctagaag gtttcccaca ggaagatgtg    300
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382

<210> 159

<211> 292

<212> DNA

<213> Homo sapiens

<400> 159

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agtctgtagt tgctcatgaa ccacgcgttt taataaaagg aacattaagt aaattgtagg    180
tataaaagaa tcagtgcata tctgttaatg tcattgacaa taaaataaca ttatcttctc    240
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292

<210> 160

<211> 447

<212> DNA

<213> Homo sapiens

<400> 160

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gtgtctgccca tatctttgca tccttcaatg acacttttgt ccatgtcact gatctttctg    180
gcaaggaaac catctgccgt gtgactggtg ggatgaaggt aaaggcagac cgagatgaat    240
cctcaccata tgctgctatg ttggctgccc aggatgtggc ccagagggtgc aaggagctgg    300
gtatcaccgc cctacacatc aaactccggg ccacaggagg aaataggacc aagaccctg      360
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B0213WO seq list.ST25.txt

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447

<210> 161

<211> 239

<212> DNA

<213> Homo sapiens

<400> 161

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aatggtaaac tttagaggac gctaaagcct cactaaaata acgcttctca atcactagtg	180
cggccgcctg caggtcgacc atatgggaga gctcccaacg cgttggatgc atagcttga	239

<210> 162

<211> 410

<212> DNA

<213> Homo sapiens

<400> 162

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gtcaagcacg gtgacacgca gcagggcact gctggcgctg ggggggctgc cgccatcctg	300
caccttgatg gtgaggtcat aggagtcca gcgctcacgg tccagggtgc ccatcacaat	360
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<210> 163

<211> 327

<212> DNA

<213> Homo sapiens

<400> 163

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gggtttttatt agctccggtg ggtaaaataa actcatctgt atcctgcacg aggtatcgtg	180
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B0213WO seq list.ST25.txt

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<210> 164

<211> 300

<212> DNA

<213> Homo sapiens

<220>

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<400> 164

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 aagatataac atgacgtaca attaaagaat aattttaaag tgaatactac gtaactccat 180
 ccaagtcaag aaattgccag cttncggaag cccactgtgc tcctccccct cataacgctt 240
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<210> 165

<211> 351

<212> DNA

<213> Homo sapiens

<400> 165

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<210> 166

<211> 4839

<212> DNA

<213> Homo sapiens

B0213WO seq list.ST25.txt

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aaggagacac cttttccccc ctgaccaga acagccttta aatcacaagc aaaataggaa	2100
agttaaccac ggaggcaccg agttccaggt agtggttttg cttttcccaa aaatgaaaat	2160
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<210> 167

<211> 200

<212> DNA

<213> Homo sapiens

<400> 167

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gagccacag cctattccgt cctccctcaa gtgctgggga gaggacggt gcctggacat	180
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<210> 168

<211> 355

<212> DNA

<213> Homo sapiens

<400> 168

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aaggcctctc tgcagactcc acgggggctc accctctgcc gtcaggcgac tctgaaattc	180

B0213WO seq list.ST25.txt

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<210> 169

<211> 579

<212> DNA

<213> Homo sapiens

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<210> 170

<211> 310

<212> DNA

<213> Homo sapiens

<400> 170

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 agatgccctg tcctcagaag gatgcctgtg gccctcggag agcacagtgt caggcaacgg 300
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<210> 171

<211> 301

<212> DNA

B0213WO seq list.ST25.txt

<213> Homo sapiens

<400> 171

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<211> 529

<212> DNA

<213> Homo sapiens

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<210> 173

<211> 1429

<212> DNA

<213> Homo sapiens

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B0213WO seq list.ST25.txt

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<210> 174

<211> 462

<212> PRT

<213> Homo sapiens

<400> 174

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Cys Leu Pro Asn Gly Ile Asn Gly Ile Lys Asp Ala Arg Lys Val Thr
          20          25          30

```

```

Val Gly Val Ile Gly Ser Gly Asp Phe Ala Lys Ser Leu Thr Ile Arg
          35          40          45

```

```

Leu Ile Arg Cys Gly Tyr His Val Val Ile Gly Ser Arg Asn Pro Lys
          50          55          60

```

B0213WO seq list.ST25.txt

Phe Ala Ser Glu Phe Phe Pro His Val Val Asp Val Thr His His Glu
 65 70 75 80
 Asp Ala Leu Thr Lys Thr Asn Ile Ile Phe Val Ala Ile His Arg Glu
 85 90 95
 His Tyr Thr Ser Leu Trp Asp Leu Arg His Leu Leu Val Gly Lys Ile
 100 105 110
 Leu Ile Asp Val Ser Asn Asn Met Arg Ile Asn Gln Tyr Pro Glu Ser
 115 120 125
 Asn Ala Glu Tyr Leu Ala Ser Leu Phe Pro Asp Ser Leu Ile Val Lys
 130 135 140
 Gly Phe Asn Val Val Ser Ala Trp Ala Leu Gln Leu Gly Pro Lys Asp
 145 150 155 160
 Ala Ser Arg Gln Val Tyr Ile Cys Ser Asn Asn Ile Gln Ala Arg Gln
 165 170 175
 Gln Val Ile Glu Leu Ala Arg Gln Leu Asn Phe Ile Pro Ile Asp Leu
 180 185 190
 Gly Ser Leu Ser Ser Ala Arg Glu Ile Glu Asn Leu Pro Leu Arg Leu
 195 200 205
 Phe Thr Leu Trp Arg Gly Pro Val Val Val Ala Ile Ser Leu Ala Thr
 210 215 220
 Phe Phe Phe Leu Tyr Ser Phe Val Arg Asp Val Ile His Pro Tyr Ala
 225 230 235 240
 Arg Asn Gln Gln Ser Asp Phe Tyr Lys Ile Pro Ile Glu Ile Val Asn
 245 250 255
 Lys Thr Leu Pro Ile Val Ala Ile Thr Leu Leu Ser Leu Val Tyr Leu
 260 265 270
 Ala Gly Leu Leu Ala Ala Ala Tyr Gln Leu Tyr Tyr Gly Thr Lys Tyr
 275 280 285
 Arg Arg Phe Pro Pro Trp Leu Glu Thr Trp Leu Gln Cys Arg Lys Gln
 290 295 300
 Leu Gly Leu Leu Ser Phe Phe Phe Ala Met Val His Val Ala Tyr Ser
 305 310 315 320
 Leu Cys Leu Pro Met Arg Arg Ser Glu Arg Tyr Leu Phe Leu Asn Met
 325 330 335

B0213WO seq list.ST25.txt

Ala Tyr Gln Gln Val His Ala Asn Ile Glu Asn Ser Trp Asn Glu Glu
 340 345 350

Glu Val Trp Arg Ile Glu Met Tyr Ile Ser Phe Gly Ile Met Ser Leu
 355 360 365

Gly Leu Leu Ser Leu Leu Ala Val Thr Ser Ile Pro Ser Val Ser Asn
 370 375 380

Ala Leu Asn Trp Arg Glu Phe Ser Phe Ile Gln Ser Thr Leu Gly Tyr
 385 390 395 400

Val Ala Leu Leu Ile Ser Thr Phe His Val Leu Ile Tyr Gly Trp Lys
 405 410 415

Arg Ala Phe Glu Glu Glu Tyr Tyr Arg Phe Tyr Thr Pro Pro Asn Phe
 420 425 430

Val Leu Ala Leu Val Leu Pro Ser Ile Val Ile Leu Val Glu Thr Glu
 435 440 445

Phe His Arg Val Ser Gln Asp Gly Leu Asp Leu Leu Thr Ser
 450 455 460

<210> 175

<211> 1329

<212> DNA

<213> Homo sapiens

<400> 175

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ggcataaatg gtatcaaaga tgcaaggaag gtcactgtag gtgtgattgg aagtggagat	120
tttgccaaat ccttgaccat tcgacttatt agatgcggct atcatgtggt cataggaagt	180
agaaatccta agtttgcttc tgaatttttt cctcatgtgg tagatgtcac tcatcatgaa	240
gatgctctca caaaaacaaa tataatattt gttgctatac acagagaaca ttatacctcc	300
ctgtgggacc tgagacatct gcttgtgggt aaaatcctga ttgatgtgag caataacatg	360
aggataaacc agtaccaga atccaatgct gaatatttgg cttcattatt cccagattct	420
ttgattgtca aaggatttaa tgttgtctca gcttgggcac ttcagttagg acctaaggat	480
gccagccggc aggtttatat atgcagcaac aatattcaag cgcgacaaca ggttattgaa	540
cttgcccgcc agttgaattt cattcccatt gacttgggat ccttatcatc agccagagag	600
attgaaaatt taccctacg actctttact ctctggagag ggccagtggg ggtagctata	660
agcttggcca catttttttt cttttattcc tttgtcagag atgtgattca tccatagtct	720

B0213WO seq list.ST25.txt

```

agaacccaac agagtgactt ttacaaaatt cctatagaga ttgtgaataa aaccttacct 780
atagttgcca ttactttgct ctccctagta tacctcgcag gtcttctggc agctgcttat 840
caactttatt acggcaccaa gtataggaga tttccacctt ggttggaac ctggttacag 900
tgtagaaaac agcttggaatt actaagtttt ttcttcgcta tgggtccatgt tgcttacagc 960
ctctgcttac cgatgagaag gtcagagaga tatttgtttc tcaacatggc ttatcagcag 1020
gttcatgcaa atattgaaaa ctcttggaat gaggaagaag tttggagaat tgaaatgtat 1080
atctcctttg gcataatgag ccttggttta ctttccctcc tggcagtcac ttctatccct 1140
tcagtgcagca atgcttttaa ctggagagaa ttcagtttta ttcagatctt ttgcagcttt 1200
gcagataccc agactgagct ggaactggaa tttgtcttcc tattgactct acttctttaa 1260
aagcggctgc ccattacatt cctcagctgt ccttgcagtt aggtgtacat gtgactgagt 1320
gttggccag 1329

```

<210> 176

<211> 419

<212> PRT

<213> Homo sapiens

<400> 176

```

Met Glu Ser Ile Ser Met Met Gly Ser Pro Lys Ser Leu Ser Glu Thr
1      5      10     15

```

```

Phe Leu Pro Asn Gly Ile Asn Gly Ile Lys Asp Ala Arg Lys Val Thr
20     25     30

```

```

Val Gly Val Ile Gly Ser Gly Asp Phe Ala Lys Ser Leu Thr Ile Arg
35     40     45

```

```

Leu Ile Arg Cys Gly Tyr His Val Val Ile Gly Ser Arg Asn Pro Lys
50     55     60

```

```

Phe Ala Ser Glu Phe Phe Pro His Val Val Asp Val Thr His His Glu
65     70     75     80

```

```

Asp Ala Leu Thr Lys Thr Asn Ile Ile Phe Val Ala Ile His Arg Glu
85     90     95

```

```

His Tyr Thr Ser Leu Trp Asp Leu Arg His Leu Leu Val Gly Lys Ile
100    105    110

```

```

Leu Ile Asp Val Ser Asn Asn Met Arg Ile Asn Gln Tyr Pro Glu Ser
115    120    125

```

```

Asn Ala Glu Tyr Leu Ala Ser Leu Phe Pro Asp Ser Leu Ile Val Lys

```

130 . 135 B0213WO seq list.ST25.txt 140

Gly Phe Asn Val Val Ser Ala Trp Ala Leu Gln Leu Gly Pro Lys Asp
 145 150 155 160

Ala Ser Arg Gln Val Tyr Ile Cys Ser Asn Asn Ile Gln Ala Arg Gln
 165 170 175

Gln Val Ile Glu Leu Ala Arg Gln Leu Asn Phe Ile Pro Ile Asp Leu
 180 185 190

Gly Ser Leu Ser Ser Ala Arg Glu Ile Asp Asn Leu Pro Leu Arg Leu
 195 200 205

Phe Thr Leu Trp Arg Gly Pro Val Val Val Ala Ile Ser Leu Ala Thr
 210 215 220

Phe Phe Phe Leu Tyr Ser Phe Val Arg Asp Val Ile His Pro Tyr Ala
 225 230 235 240

Arg Asn Gln Gln Ser Asp Phe Tyr Lys Ile Pro Ile Glu Ile Val Asn
 245 250 255

Lys Thr Leu Pro Ile Val Ala Ile Thr Leu Leu Ser Leu Val Tyr Leu
 260 265 270

Ala Gly Leu Leu Ala Ala Ala Tyr Gln Leu Tyr Tyr Gly Thr Lys Tyr
 275 280 285

Arg Arg Phe Pro Pro Trp Leu Glu Thr Trp Leu Gln Cys Arg Lys Gln
 290 295 300

Leu Gly Leu Leu Ser Phe Phe Phe Ala Met Val His Val Ala Tyr Ser
 305 310 315 320

Leu Cys Leu Pro Met Arg Arg Ser Glu Arg Tyr Leu Phe Leu Asn Met
 325 330 335

Ala Tyr Gln Gln Val His Ala Asn Ile Glu Asn Ser Trp Asn Glu Glu
 340 345 350

Glu Val Trp Arg Ile Glu Met Tyr Ile Ser Phe Gly Ile Met Ser Leu
 355 360 365

Gly Leu Leu Ser Leu Leu Ala Val Thr Ser Ile Pro Ser Val Ser Asn
 370 375 380

Ala Leu Asn Trp Arg Glu Phe Ser Phe Ile Gln Ile Phe Cys Ser Phe
 385 390 395 400

Ala Asp Thr Gln Thr Glu Leu Glu Leu Glu Phe Val Phe Leu Leu Thr

405

B0213WO seq list.ST25.txt
410

415

Leu Leu Leu

<210> 177

<211> 940

<212> DNA

<213> Homo sapiens

<400> 177

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aacttgttta cctaattggca taaatggtat caaagatgca aggaagggtca ctgtaggtgt	120
gattggaagt ggagattttg ccaaattcctt gaccattcga cttattagat gcggctatca	180
tgtggtcata ggaagtagaa atcctaagtt tgcttctgaa ttttttcctc atgtggtaga	240
tgtcactcat catgaagatg ctctcacaaa aacaaatata atatttggtg ctatacacag	300
agaacattat acctccctgt gggacctgag acatctgctt gtgggtaaaa tcctgattga	360
tgtgagcaat aacatgagga taaaccagta cccagaatcc aatgctgaat atttggcttc	420
attattccca gattctttga ttgtcaaagg atttaatggt gtctcagctt gggcacttca	480
gttaggacct aaggatgccca gccggcaggt ttatatatgc agcaacaata ttcaagcgcg	540
acaacagggt catgcaaata ttgaaaactc ttggaatgag gaagaagttt ggagaattga	600
aatgtatatc tcctttggca taatgagcct tggcttactt tccctcctgg cagtcacttc	660
tatcccttca gtgagcaatg ctttaaactg gagagaattc agttttattc agtctacact	720
tggatatgtc gctctgctca taagtacttt ccatgtttta atttatggat ggaaacgagc	780
ttttgaggaa gagtactaca gattttatac accaccaaac tttgttcttg ctcttgtttt	840
gccctcaatt gtaattctgg tagagacgga gtttcaccgt gttagccagg atgggtctcga	900
tctcctgacc tcgtgatccg cccgccttgg cctccaaagt	940

<210> 178

<211> 299

<212> PRT

<213> Homo sapiens

<400> 178

Met	Glu	Ser	Ile	Ser	Met	Met	Gly	Ser	Pro	Lys	Ser	Leu	Ser	Glu	Thr
1				5					10					15	

Cys	Leu	Pro	Asn	Gly	Ile	Asn	Gly	Ile	Lys	Asp	Ala	Arg	Lys	Val	Thr
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

20

B0213WO seq list.ST25.txt
25 30

Val Gly Val Ile Gly Ser Gly Asp Phe Ala Lys Ser Leu Thr Ile Arg
 35 40 45
 Leu Ile Arg Cys Gly Tyr His Val Val Ile Gly Ser Arg Asn Pro Lys
 50 55 60
 Phe Ala Ser Glu Phe Phe Pro His Val Val Asp Val Thr His His Glu
 65 70 75 80
 Asp Ala Leu Thr Lys Thr Asn Ile Ile Phe Val Ala Ile His Arg Glu
 85 90 95
 His Tyr Thr Ser Leu Trp Asp Leu Arg His Leu Leu Val Gly Lys Ile
 100 105 110
 Leu Ile Asp Val Ser Asn Asn Met Arg Ile Asn Gln Tyr Pro Glu Ser
 115 120 125
 Asn Ala Glu Tyr Leu Ala Ser Leu Phe Pro Asp Ser Leu Ile Val Lys
 130 135 140
 Gly Phe Asn Val Val Ser Ala Trp Ala Leu Gln Leu Gly Pro Lys Asp
 145 150 155 160
 Ala Ser Arg Gln Val Tyr Ile Cys Ser Asn Asn Ile Gln Ala Arg Gln
 165 170 175
 Gln Val His Ala Asn Ile Glu Asn Ser Trp Asn Glu Glu Glu Val Trp
 180 185 190
 Arg Ile Glu Met Tyr Ile Ser Phe Gly Ile Met Ser Leu Gly Leu Leu
 195 200 205
 Ser Leu Leu Ala Val Thr Ser Ile Pro Ser Val Ser Asn Ala Leu Asn
 210 215 220
 Trp Arg Glu Phe Ser Phe Ile Gln Ser Thr Leu Gly Tyr Val Ala Leu
 225 230 235 240
 Leu Ile Ser Thr Phe His Val Leu Ile Tyr Gly Trp Lys Arg Ala Phe
 245 250 255
 Glu Glu Glu Tyr Tyr Arg Phe Tyr Thr Pro Pro Asn Phe Val Leu Ala
 260 265 270
 Leu Val Leu Pro Ser Ile Val Ile Leu Val Glu Thr Glu Phe His Arg
 275 280 285
 Val Ser Gln Asp Gly Leu Asp Leu Leu Thr Ser

290

295 B0213WO seq list.ST25.txt

<210> 179

<211> 1388

<212> DNA

<213> Homo sapiens

<400> 179

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aacttgttta cctaattggca taaatggat caaagatgca aggaaggcca ctgtaggtgt	120
gattggaagt ggagattttg ccaaattcctt gaccattcga cttattagat gcggctatca	180
tgtggtcata ggaagtagaa atcctaagtt tgcttctgaa ttttttcctc atgtggtaga	240
tgtcactcat catgaagatg ctctcacaaa aacaaatata atatttggtg ctatacacag	300
agaacattat acctccctgt gggacctgag acatctgctt gtgggtaaaa tcctgattga	360
tgtgagcaat aacatgagga taaaccagta cccagaatcc aatgctgaat atttggcttc	420
attattccca gattctttga ttgtcaaagg atttaatgtt gtctcagctt gggcacttca	480
gttaggacct aaggatgcca gccggcaggt ttatatatgc agcaacaata ttcaagcgcg	540
acaacagggt attgaacttg cccgccaggt gaatttcatt ccattgact tgggatcctt	600
atcatcagcc agagagattg aaaatttacc cctacgactc tttactctct ggagagggcc	660
agtgggtgta gctataagct tggccacatt tttttccttt attcctttgt cagagatgtg	720
attcatccat atgctagaaa ccaacagagt gacttttaca aaattcctat agagattgtg	780
aataaaacct tacctatagt tgccattact ttgctctccc tagtatacct tgcaggctct	840
ctggcagctg cttatcaact ttattacggc accaagtata ggagatttcc accttggttg	900
gaaacctggt tacagtgtag aaaacagctt ggattactaa gttttttcct cgctatggct	960
catgttgcct acagcctctg cttaccgatg agaagggttca tgcaaattatt gaaaactcct	1020
ggaatgagga agaagtttgg agaattgaaa tgtatatctc ctttggcata atgagccttg	1080
gcttactttc ctcctggca gtcacttcta tcccgtcagt gagcaatgct tttaaactgga	1140
gagaattcag ttttattcag tctacacttg gatatgtcgc tctgctcata agtactttcc	1200
atgttttaat ttatggatgg aaacgagctt ttgaggaaga gtactacaga ttttatacac	1260
caccaaactt tgttcttgct cttgttttgc cctcaattgt aattctggta gagacggagt	1320
ttcaccgtgt tagccaggat ggtctcgatc tcctgacctc gtgatccgcc cgccttggcc	1380
tccaaagt	1388

<210> 180

<211> 234

<212> PRT

B0213WO seq list.ST25.txt

<213> Homo sapiens

<400> 180

Met Glu Ser Ile Ser Met Met Gly Ser Pro Lys Ser Leu Ser Glu Thr
 1 5 10 15
 Cys Leu Pro Asn Gly Ile Asn Gly Ile Lys Asp Ala Arg Lys Val Thr
 20 25 30
 Val Gly Val Ile Gly Ser Gly Asp Phe Ala Lys Ser Leu Thr Ile Arg
 35 40 45
 Leu Ile Arg Cys Gly Tyr His Val Val Ile Gly Ser Arg Asn Pro Lys
 50 55 60
 Phe Ala Ser Glu Phe Phe Pro His Val Val Asp Val Thr His His Glu
 65 70 75 80
 Asp Ala Leu Thr Lys Thr Asn Ile Ile Phe Val Ala Ile His Arg Glu
 85 90 95
 His Tyr Thr Ser Leu Trp Asp Leu Arg His Leu Leu Val Gly Lys Ile
 100 105 110
 Leu Ile Asp Val Ser Asn Asn Met Arg Ile Asn Gln Tyr Pro Glu Ser
 115 120 125
 Asn Ala Glu Tyr Leu Ala Ser Leu Phe Pro Asp Ser Leu Ile Val Lys
 130 135 140
 Gly Phe Asn Val Val Ser Ala Trp Ala Leu Gln Leu Gly Pro Lys Asp
 145 150 155 160
 Ala Ser Arg Gln Val Tyr Ile Cys Ser Asn Asn Ile Gln Ala Arg Gln
 165 170 175
 Gln Val Ile Glu Leu Ala Arg Gln Leu Asn Phe Ile Pro Ile Asp Leu
 180 185 190
 Gly Ser Leu Ser Ser Ala Arg Glu Ile Glu Asn Leu Pro Leu Arg Leu
 195 200 205
 Phe Thr Leu Trp Arg Gly Pro Val Val Val Ala Ile Ser Leu Ala Thr
 210 215 220
 Phe Phe Ser Phe Ile Pro Leu Ser Glu Met
 225 230

<210> 181

B0213WO seq list.ST25.txt

<211> 1425

<212> DNA

<213> Homo sapiens

<400> 181

tggaagtgtc cgtatcatgg aatcaatctc tatgatggga agccctaaga gccttagtga	60
aacttgttta cctaattggca taaatgggtat caaagatgca aggaagggtca ctgtaggtgt	120
gattggaagt ggagattttg ccaaattcctt gaccattcga cttattagat gcggctatca	180
tgtggtcata ggaagtagaa atcctaagtt tgcttctgaa ttttttcctc atgtggtaga	240
tgtcactcat catgaagatg ctctcacaaa aacaaatata atatttggtg ctatacacag	300
agaacattat acctccctgt gggacctgag acatctgctt gtgggtaaaa tcctgattga	360
tgtgagcaat aacatgagga taaaccagta ccagaaatcc aatgctgaat atttggtctc	420
attattccca gattctttga ttgtcaaagg atttaatggt gtctcagctt gggcacttca	480
gttaggacct aaggatgcca gccggcaggt ttatatatgc agcaacaata ttcaagcgcg	540
acaacagggt attgaacttg cccgccaggt gaatttcatt cccattgact tgggatcctt	600
atcatcagcc agagagattg aaaatttacc cctacgactc tttactctct ggagagggcc	660
agtggtggtg gctataagct tggccacatt ttttttcctt tattcctttg tcagagatgt	720
gattcatcca tatgctagaa accaacagag tgactttttac aaaattccta tagagattgt	780
gaataaaacc ttacctatag ttgccattac tttgctctcc ctagtataacc ttgcaggctc	840
tctggcagct gcttatcaac tttattatgg caccaagtat aggagatttc caccttggtt	900
ggaaacctgg ttacagtgtg gaaaacagct tggattacta agttttttct tcgctatggt	960
ccatgttgcc tacagcctct gcttaccgat gagaagggtca gagagatatt tgtttctcaa	1020
catggcttat cagcagggttc atgcaaatat tgaaaactct tggaatgagg aagaagtttg	1080
gagaattgaa atgtatatct cctttggcat aatgagcctt ggcttacttt ccctcctggc	1140
agtcacttct atcccttcag tgagcaatgc tttaaactgg agagaattca gttttattca	1200
gtctacactt ggatatgtcg ctctgctcat aagtactttc catgttttaa tttatggatg	1260
gaaacgagct tttgaggaag agtactacag attttataca ccaccaaact ttgttcttgc	1320
tcttgttttg ccctcaattg taattctgga gacggagttt caccgtgtta gccaggatgg	1380
tctcgatctc ctgacctcgt gatccgccc ccttggcctc caaag	1425

<210> 182

<211> 461

<212> PRT

<213> Homo sapiens

B0213WO seq list.ST25.txt

<400> 182

Met Glu Ser Ile Ser Met Met Gly Ser Pro Lys Ser Leu Ser Glu Thr
 1 5 10 15
 Cys Leu Pro Asn Gly Ile Asn Gly Ile Lys Asp Ala Arg Lys Val Thr
 20 25 30
 Val Gly Val Ile Gly Ser Gly Asp Phe Ala Lys Ser Leu Thr Ile Arg
 35 40 45
 Leu Ile Arg Cys Gly Tyr His Val Val Ile Gly Ser Arg Asn Pro Lys
 50 55 60
 Phe Ala Ser Glu Phe Phe Pro His Val Val Asp Val Thr His His Glu
 65 70 75 80
 Asp Ala Leu Thr Lys Thr Asn Ile Ile Phe Val Ala Ile His Arg Glu
 85 90 95
 His Tyr Thr Ser Leu Trp Asp Leu Arg His Leu Leu Val Gly Lys Ile
 100 105 110
 Leu Ile Asp Val Ser Asn Asn Met Arg Ile Asn Gln Tyr Pro Glu Ser
 115 120 125
 Asn Ala Glu Tyr Leu Ala Ser Leu Phe Pro Asp Ser Leu Ile Val Lys
 130 135 140
 Gly Phe Asn Val Val Ser Ala Trp Ala Leu Gln Leu Gly Pro Lys Asp
 145 150 155 160
 Ala Ser Arg Gln Val Tyr Ile Cys Ser Asn Asn Ile Gln Ala Arg Gln
 165 170 175
 Gln Val Ile Glu Leu Ala Arg Gln Leu Asn Phe Ile Pro Ile Asp Leu
 180 185 190
 Gly Ser Leu Ser Ser Ala Arg Glu Ile Glu Asn Leu Pro Leu Arg Leu
 195 200 205
 Phe Thr Leu Trp Arg Gly Pro Val Val Val Ala Ile Ser Leu Ala Thr
 210 215 220
 Phe Phe Phe Leu Tyr Ser Phe Val Arg Asp Val Ile His Pro Tyr Ala
 225 230 235 240
 Arg Asn Gln Gln Ser Asp Phe Tyr Lys Ile Pro Ile Glu Ile Val Asn
 245 250 255
 Lys Thr Leu Pro Ile Val Ala Ile Thr Leu Leu Ser Leu Val Tyr Leu
 Page 110

B0213WO seq list.ST25.txt

260

265

270

Ala Gly Leu Leu Ala Ala Ala Tyr Gln Leu Tyr Tyr Gly Thr Lys Tyr
 275 280 285

Arg Arg Phe Pro Pro Trp Leu Glu Thr Trp Leu Gln Cys Arg Lys Gln
 290 295 300

Leu Gly Leu Leu Ser Phe Phe Phe Ala Met Val His Val Ala Tyr Ser
 305 310 315 320

Leu Cys Leu Pro Met Arg Arg Ser Glu Arg Tyr Leu Phe Leu Asn Met
 325 330 335

Ala Tyr Gln Gln Val His Ala Asn Ile Glu Asn Ser Trp Asn Glu Glu
 340 345 350

Glu Val Trp Arg Ile Glu Met Tyr Ile Ser Phe Gly Ile Met Ser Leu
 355 360 365

Gly Leu Leu Ser Leu Leu Ala Val Thr Ser Ile Pro Ser Val Ser Asn
 370 375 380

Ala Leu Asn Trp Arg Glu Phe Ser Phe Ile Gln Ser Thr Leu Gly Tyr
 385 390 395 400

Val Ala Leu Leu Ile Ser Thr Phe His Val Leu Ile Tyr Gly Trp Lys
 405 410 415

Arg Ala Phe Glu Glu Glu Tyr Tyr Arg Phe Tyr Thr Pro Pro Asn Phe
 420 425 430

Val Leu Ala Leu Val Leu Pro Ser Ile Val Ile Leu Glu Thr Glu Phe
 435 440 445

His Arg Val Ser Gln Asp Gly Leu Asp Leu Leu Thr Ser
 450 455 460

<210> 183

<211> 18

<212> PRT

<213> Homo sapiens

<400> 183

Val Glu Thr Glu Phe His Arg Val Ser Gln Asp Gly Leu Asp Leu Leu
 1 5 10 15

Thr Ser

B0213WO seq list.ST25.txt

<210> 184

<211> 24

<212> PRT

<213> Homo sapiens

<400> 184

Ile Phe Cys Ser Phe Ala Asp Thr Gln Thr Glu Leu Glu Leu Glu Phe
 1 5 10 15

Val Phe Leu Leu Thr Leu Leu Leu
 20

<210> 185

<211> 8

<212> PRT

<213> Homo sapiens

<400> 185

Ser Phe Ile Pro Leu Ser Glu Met
 1 5